

## CLAIMS

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1. A composition for disintegration in lower gastrointestinal tract, comprising a compound <A> having a molecular weight of 1,000 or less and having a disulfide bond and a polymer <B> having a molecular weight of above 1,000 and having a property of being decomposed by enterobacteria, and/or a property of being softened, swelled or dissolved due to a decrease in pH.
  2. A composition for disintegration in lower gastrointestinal tract according to claim 1, characterized in that a domain containing the compound <A> is dispersed in a matrix containing the polymer <B>.
  3. A composition for disintegration in lower gastrointestinal tract according to claim 1 or 2, characterized in that the matrix further contains a substance that controls disintegration rate in lower gastrointestinal tract.
  4. A composition for disintegration in lower gastrointestinal tract according to any one of claims 1 to 3, characterized in that the compound <A> is any compound optionally selected from the group consisting of L-cystine,

D-cystine, DL-cystine, diglycyl cystine, cystamine, L-cystinyldiglycine, glutathione disulfide, and thioglycolic acid disulfide ( $\text{HOOC-R-S-S-R-COOH}$ /R represents a lower alkylene group).

5. A composition for disintegration in lower gastrointestinal tract according to any one of claims 1 to 4, characterized in that the polymer <B> is any polymer optionally selected from the group consisting of chitosan, dimethylaminoethyl methacrylate/methyl methacrylate/butyl methacrylate copolymer, polyvinyl acetal diethylaminoacetate or mixtures thereof.

6. A composition for disintegration in lower gastrointestinal tract according to any one of claims 1 to 5, characterized in that the compound <A> is cystine and the polymer <B> is at least chitosan.

7. A composition for disintegration in lower gastrointestinal tract according to any one of claims 3 to 6, characterized in that the substance that controls disintegration rate at the lower gastrointestinal tract is at least one substance that controls disintegration rate at the lower gastrointestinal tract optionally selected from

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the group consisting of ethylcellulose, agar, pectin metal salt, carrageenin, gelatin, pectin, starch, cellulose, dimethylaminoethyl

methacrylate/methylmethacrylate/butylmethacrylate copolymer and polyvinylacetal diethylaminoacetate.

8. A formed product for releasing an active ingredient <C> in lower gastrointestinal tract, comprising a formed product of the composition according to any one of claims 1 to 7.

9. A formed product according to claim 8, wherein the formed product contains the active ingredient <C>.

10. A formed product according to claim 8 or 9, wherein the formed product is a capsule, a film, a sheet, or a coating film.

11. A preparation for release in lower gastrointestinal tract, characterized in that an active ingredient <C> and the composition for disintegration in lower gastrointestinal tract according to any one of claims 1 to 7 are coated with an enteric polymer film.

12. A preparation for release in lower gastrointestinal tract according to claim 11, characterized in that a composition containing an active ingredient <C> and pharmaceutically acceptable carrier is coated with the composition for disintegration in lower gastrointestinal tract according to any one of claims 1 to 7 and further coated with an enteric polymer film.

13. A system for peroral uptake of a material desired to be delivered to lower gastrointestinal tract and selective release in the lower gastrointestinal tract, characterized in that the composition for disintegration in lower gastrointestinal tract according to any one of claims 1 to 7 and an enteric polymer film are used.

14. A system for peroral of a material desired to be delivered to lower gastrointestinal tract and selective release in the lower gastrointestinal tract according to claim 13, characterized in that the material desired to be delivered to the lower gastrointestinal tract is coated with or added to the composition for disintegration in the lower gastrointestinal tract according to any one of claims 1 to 7, and further coated with an enteric polymer film.